



# FEMA



Prepared by  
*Todd Beal*

# FEMA Region 6 Weather Threat Briefing

Saturday May 22, 2021

**Disclaimer:** The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to [www.weather.gov/srh](http://www.weather.gov/srh).



NWSSouthern

[www.weather.gov/srh](http://www.weather.gov/srh)

# Summary of the Upcoming Week



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- **Isolated heavy rain/flooding today across E NM, W TX. Another area of isolated heavy rain possible across Central, S, and SE TX.**
- **Marginal to slight risk of severe thunderstorms today through Monday across E NM and portions of TX. Main threats are damaging winds and large hail.**
- **Critical fire weather conditions today across W NM.**
- **The disturbance in the western Gulf of Mexico has moved inland.**
  - **Isolated heavy rain will be possible over portions of Texas this weekend. Coastal flooding and an increased risk of rip currents & swells will occur along the TX/LA coasts this weekend.**

# FEMA Region 6 Threat Matrix

May 22, 2021 - May 26, 2021



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DAY / THREAT	Sat	Sun	Mon	Tue	Wed
Severe Storms	E NM/WTX	E NM/WTX TX/OK Panhandles	E NM/WTX TX/OK Panhandles		
Heavy Rain / Flash Flooding	C/S/SETX E NM/WTX	Central into SETX			
Fire Weather	W NM	NM			
Tropical Winds / Surge					
Winter Weather					
River Flooding	LA/TX	LA/TX	LA/TX	LA/TX	LA/TX
	AR	AR	AR	AR	AR

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

*\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.\**

*For more details on the colors in the threat matrix refer to the last slide in this briefing.*



# Tropical Weather Outlook – Atlantic/Gulf



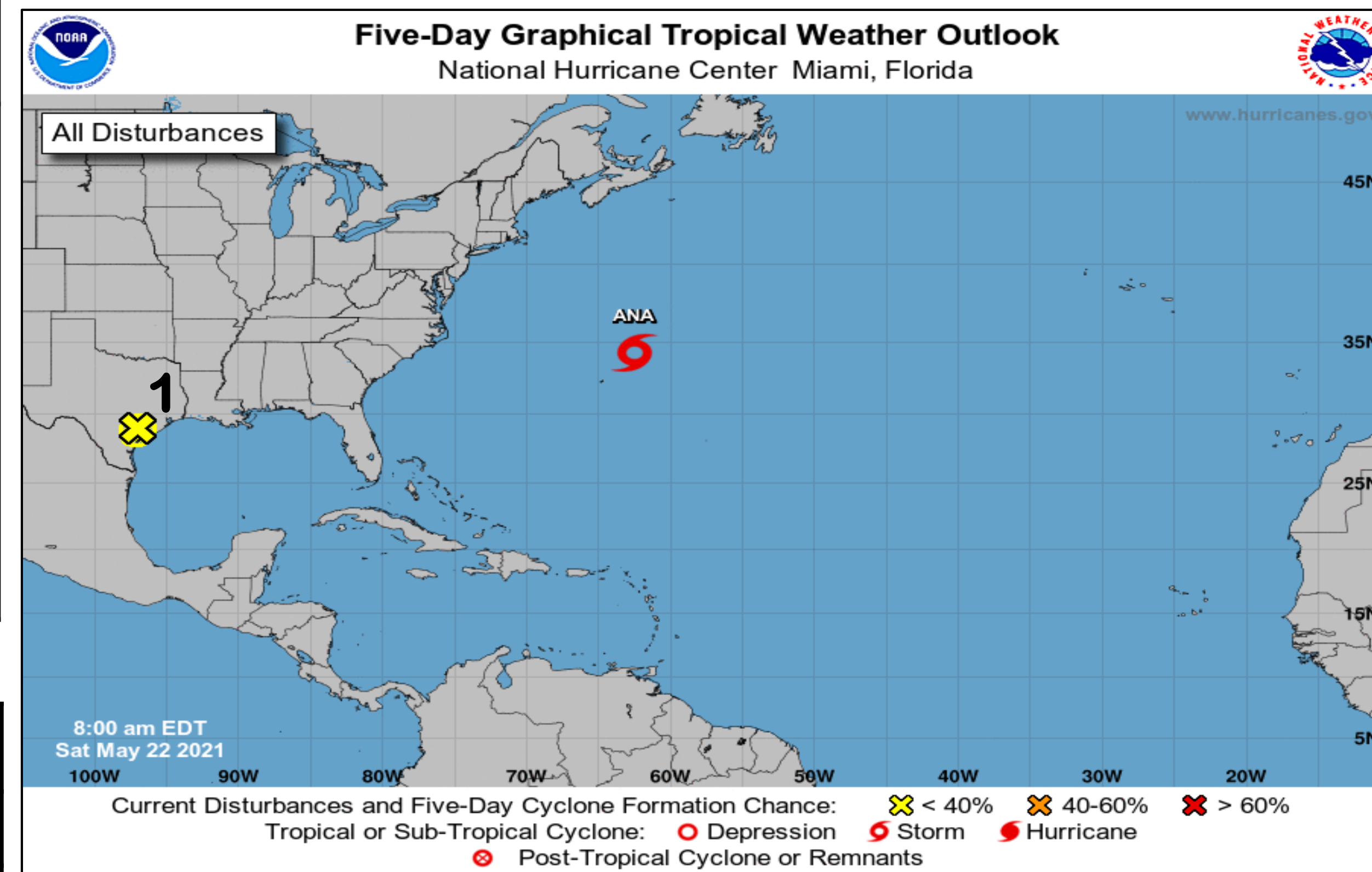
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## Areas of Possible Development

Area	Chance of Development	Potential Impacts to FEMA 6
1	Low	Disturbance has moved inland. However, isolated heavy rain will be possible over portions of Texas this weekend. Coastal flooding and an increased risk of rip currents & swells will occur along the TX/LA coasts this weekend.

## Active Tropical Cyclones

Storm	Potential Impacts to FEMA 6
Ana	None.



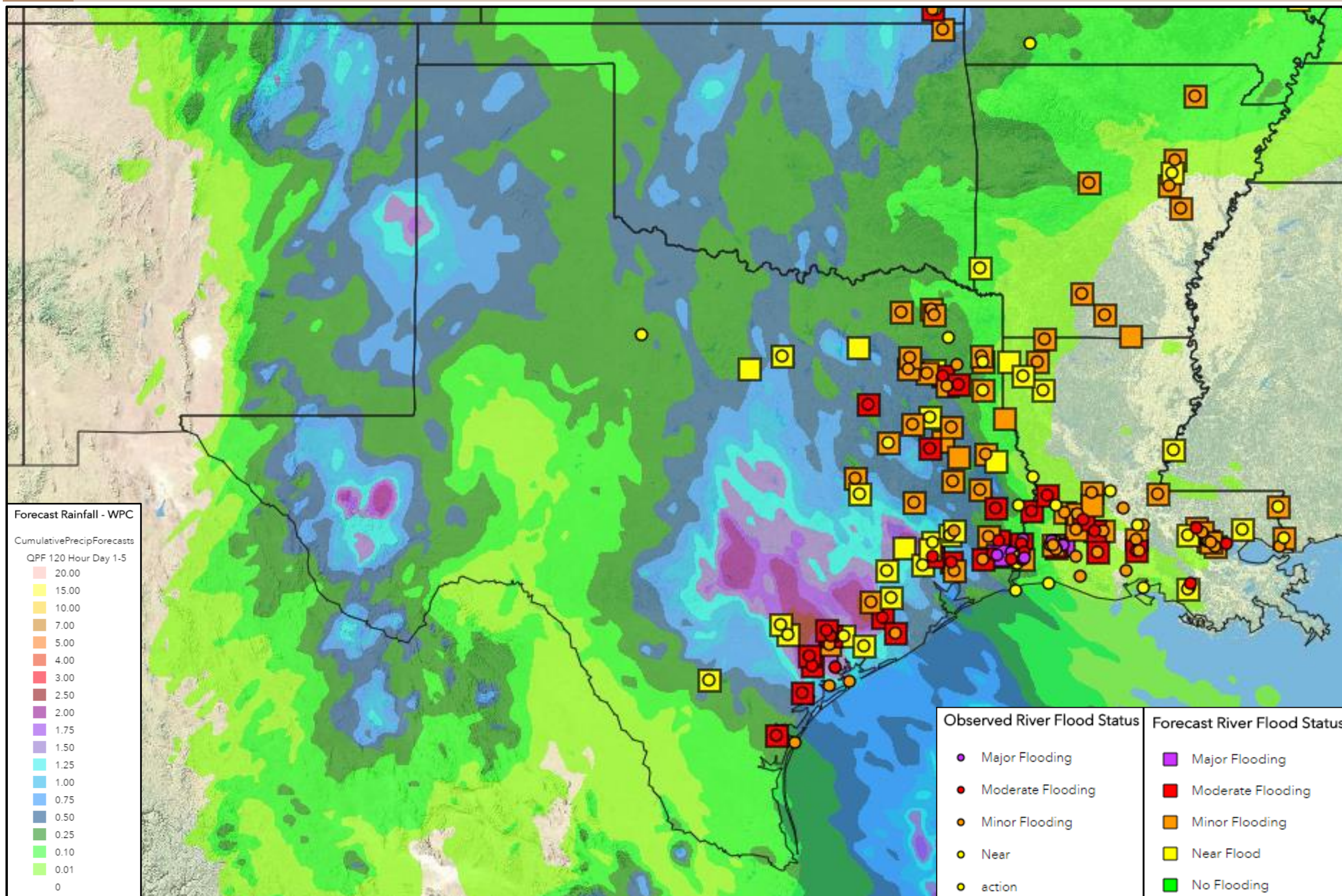


# 5-Day Precipitation Forecast & River Flood Status



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*Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall*



**Widespread minor, scattered moderate, and isolated major flooding continues for portions of TX and LA. Major lowland flooding is likely with significant flooding of roads and agricultural areas, with cattle cut off. Flooding with potential impacts to homes/structures is highlighted below.**

## Major Flooding in Texas

- **Neches River at Saltwater Barrier in SE TX is in major flood & will continue rising w/ several homes & camps flooded.**
- **Neches River near Beaumont in SE TX is in major flood & will continue rising leading to several residential roads flooded and water up to homes in Beaumont.**
- **Cow Bayou near Mauriceville in SE TX is in major flood w/ a few homes flooded.**

## Major Flooding in Louisiana

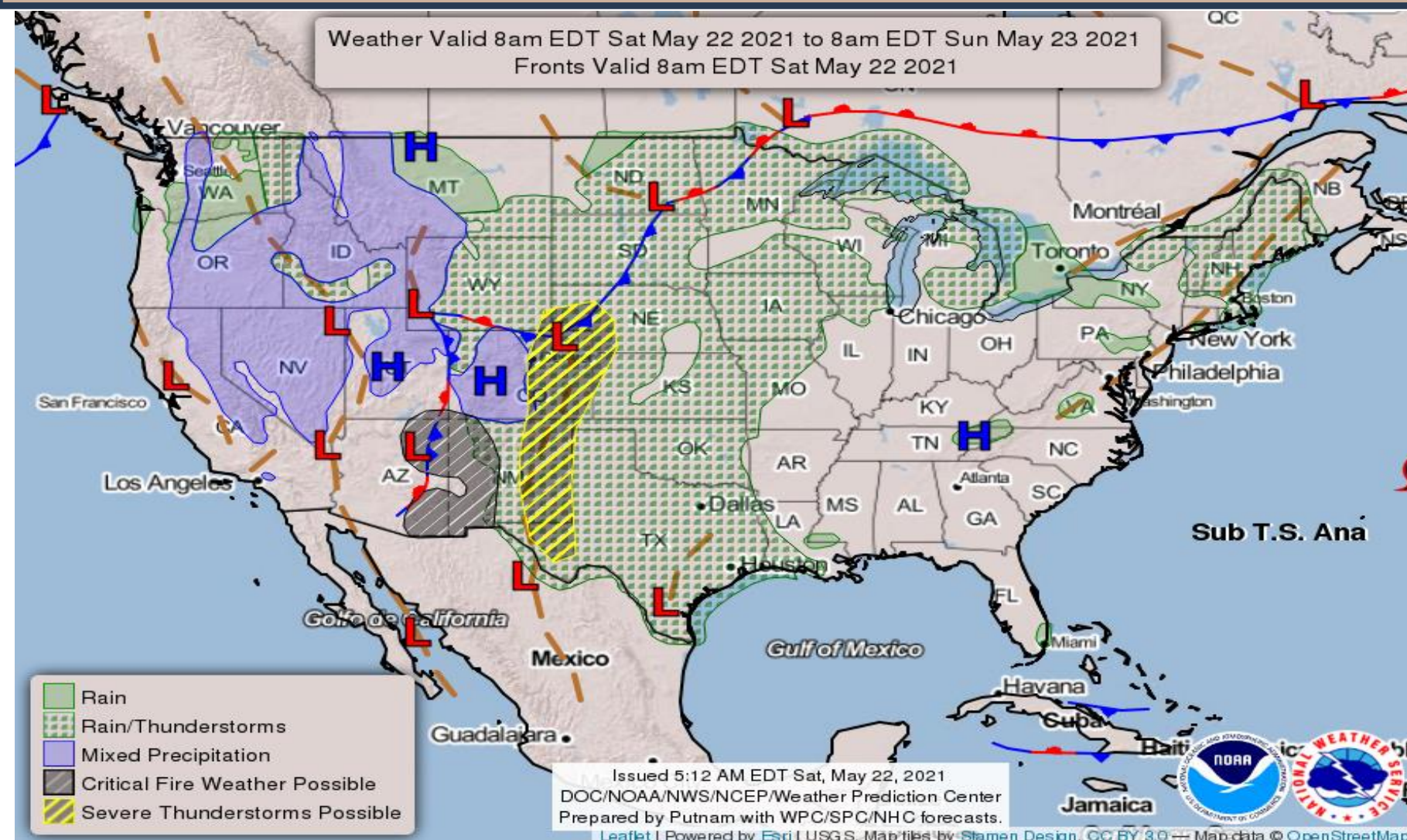
- **Calcasieu River at White Oak Park in SW LA is expected to continue at major flood for the next few days; extensive flooding with water in several homes and camps.**

**Minor river flooding will continue across AR with flooding of agricultural/recreational areas and secondary roads.**

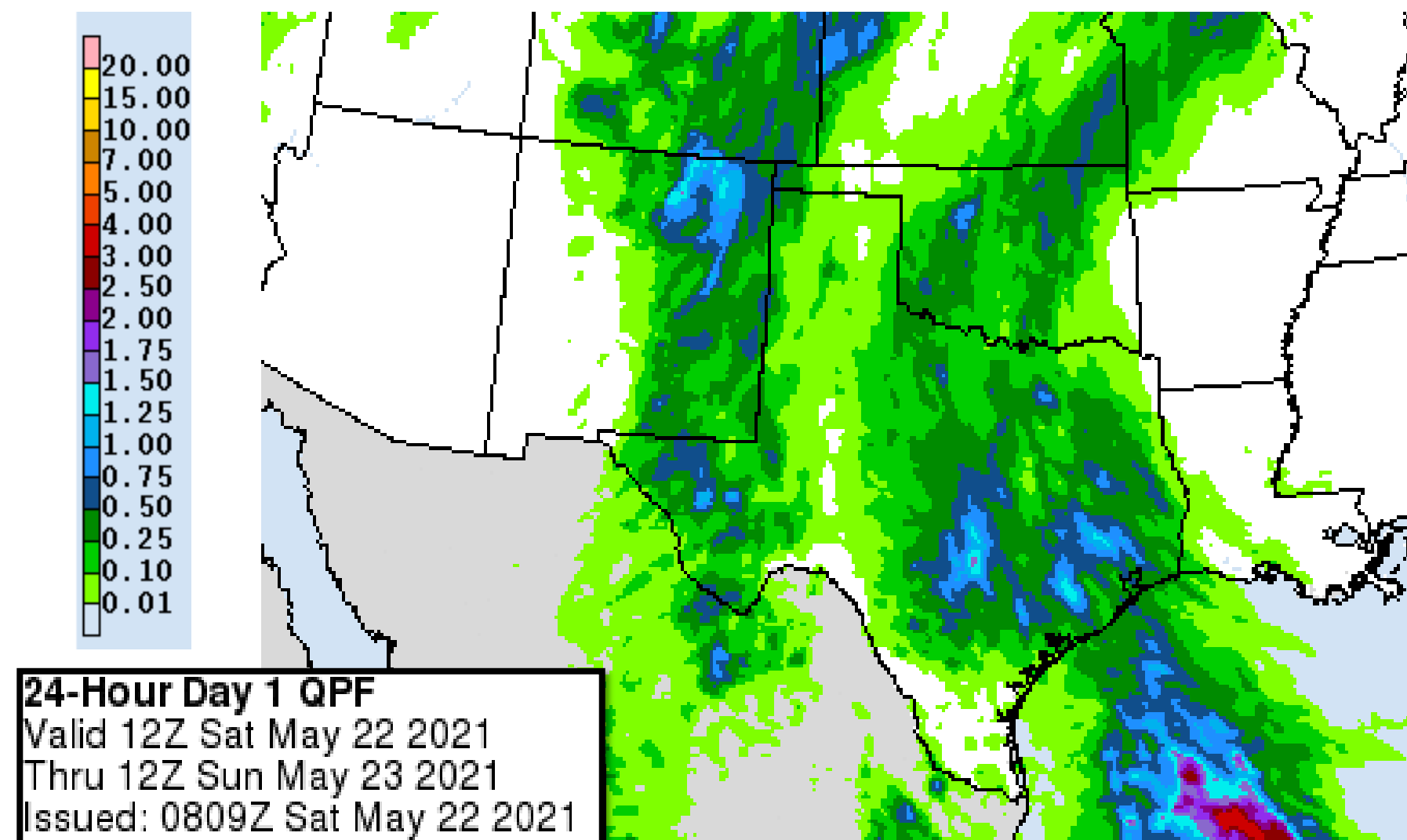


# Today's Weather

## Forecast Chart



## Forecast Rainfall



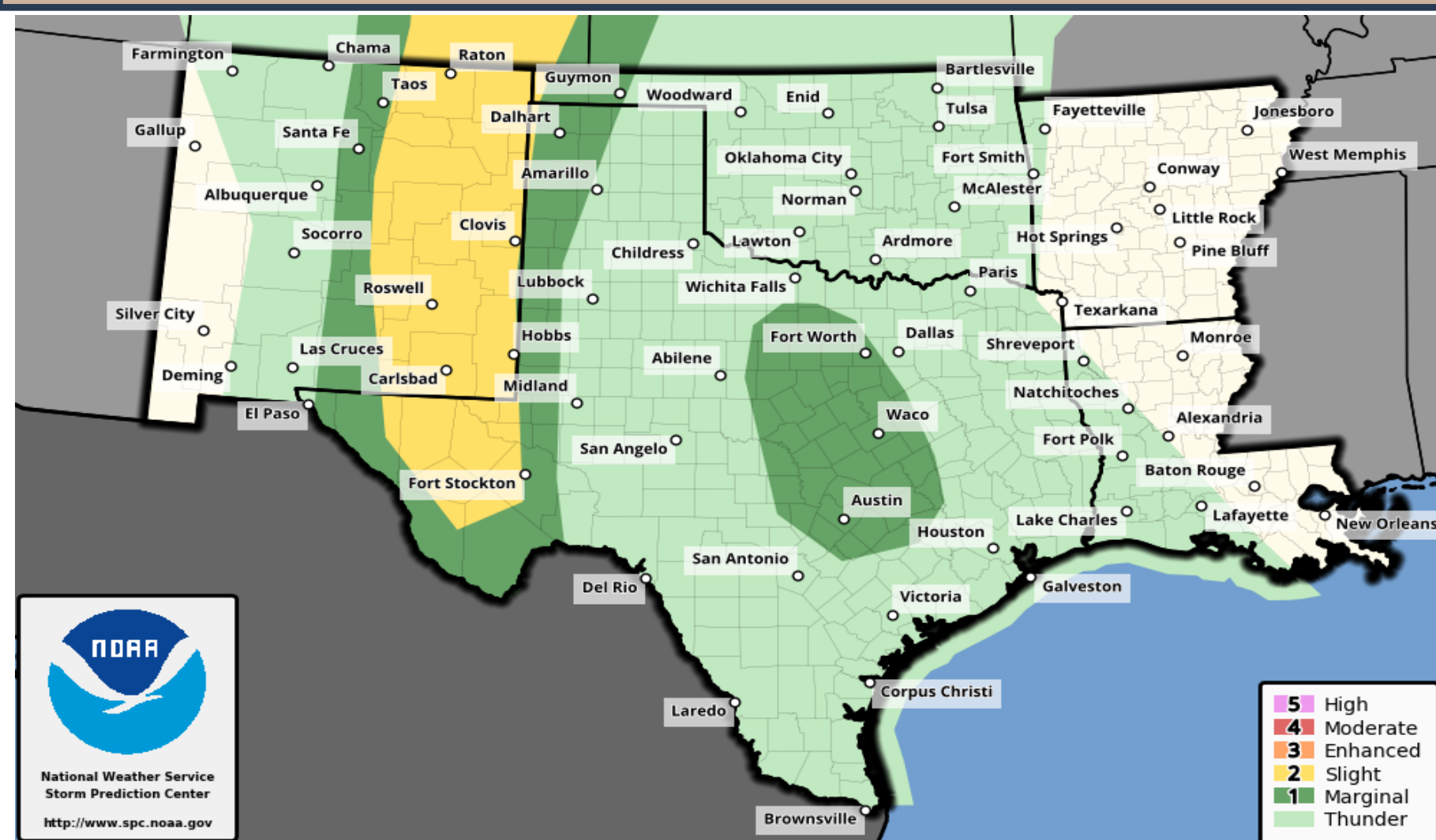
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**Severe storms with hail/damaging wind across E NM/W TX.**

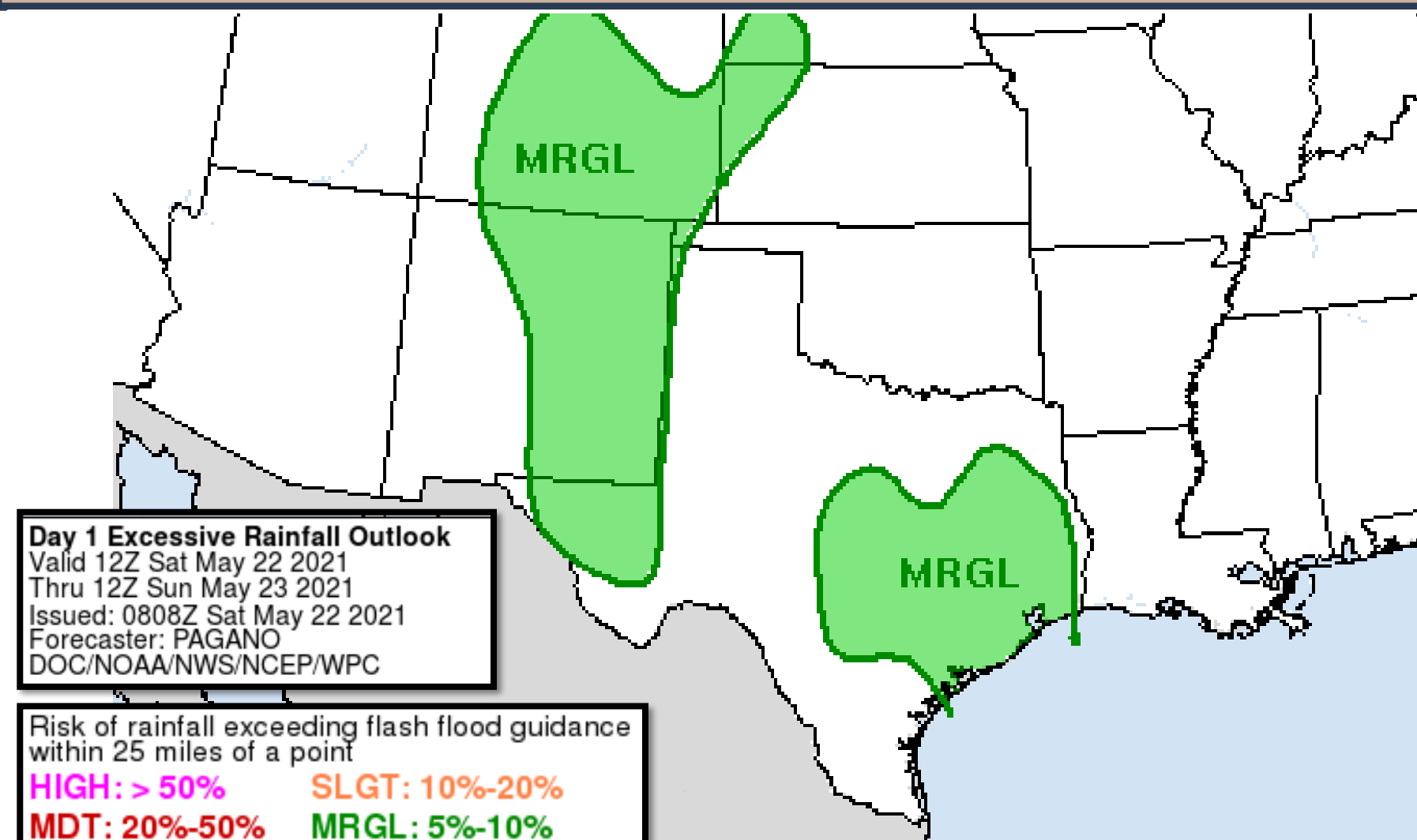
**Marginal risk of severe storms across N TX into South Central TX. A brief tornado is the main threat.**

**Isolated heavy rain/flash flooding possible for Central, S, and SE TX and for E NM/W TX.**

## Severe Weather Outlook



## Excessive Rainfall Outlook

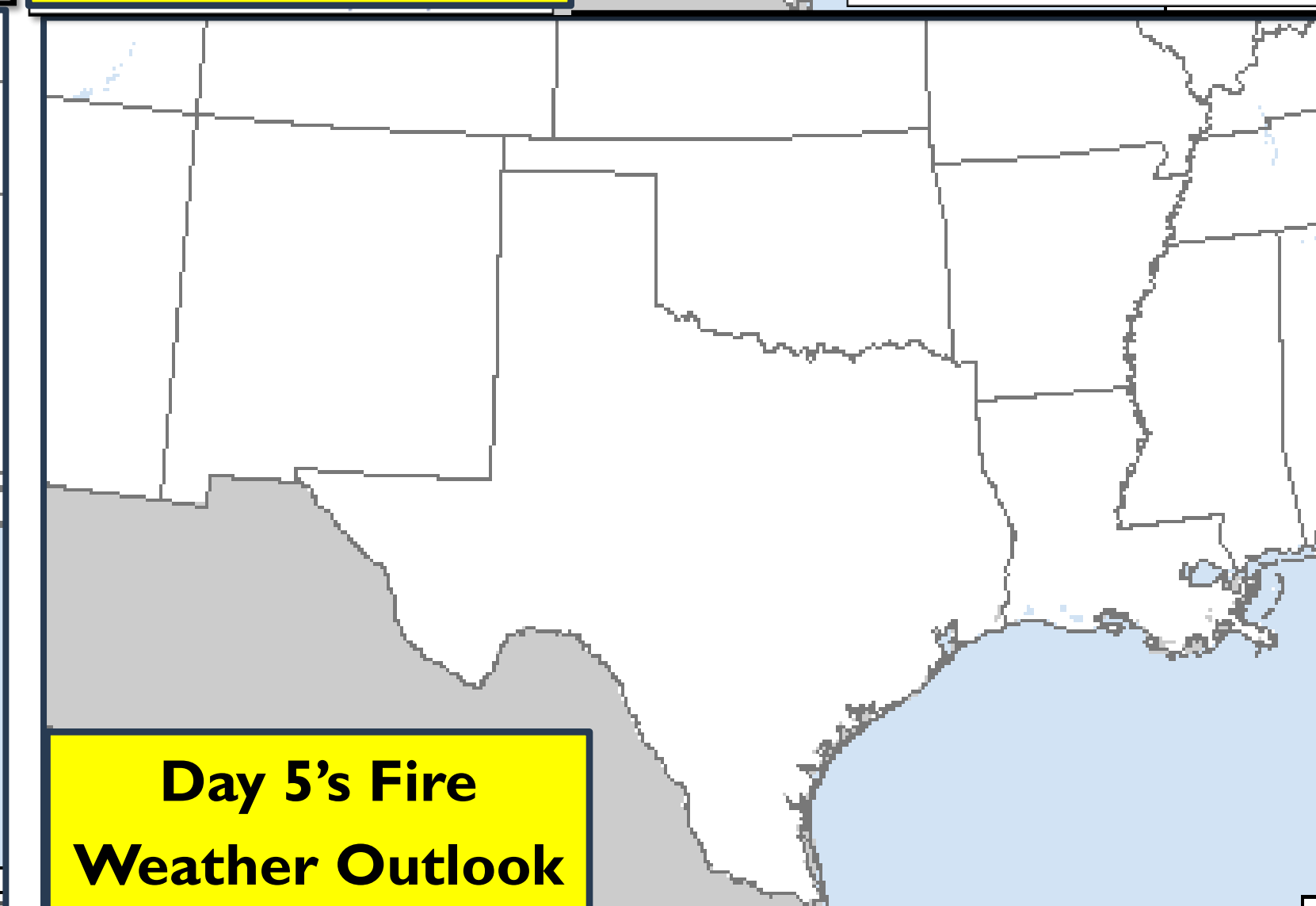
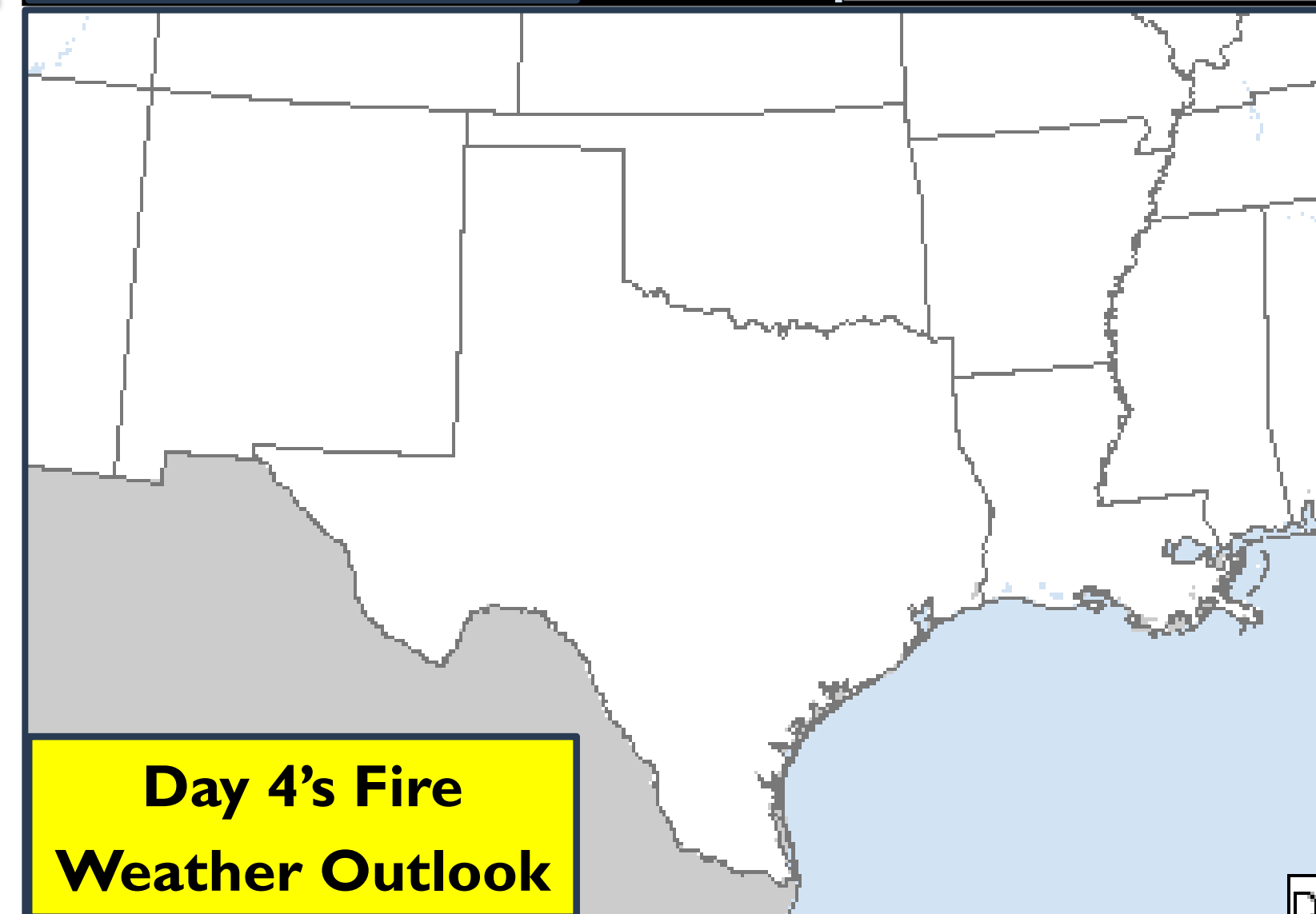
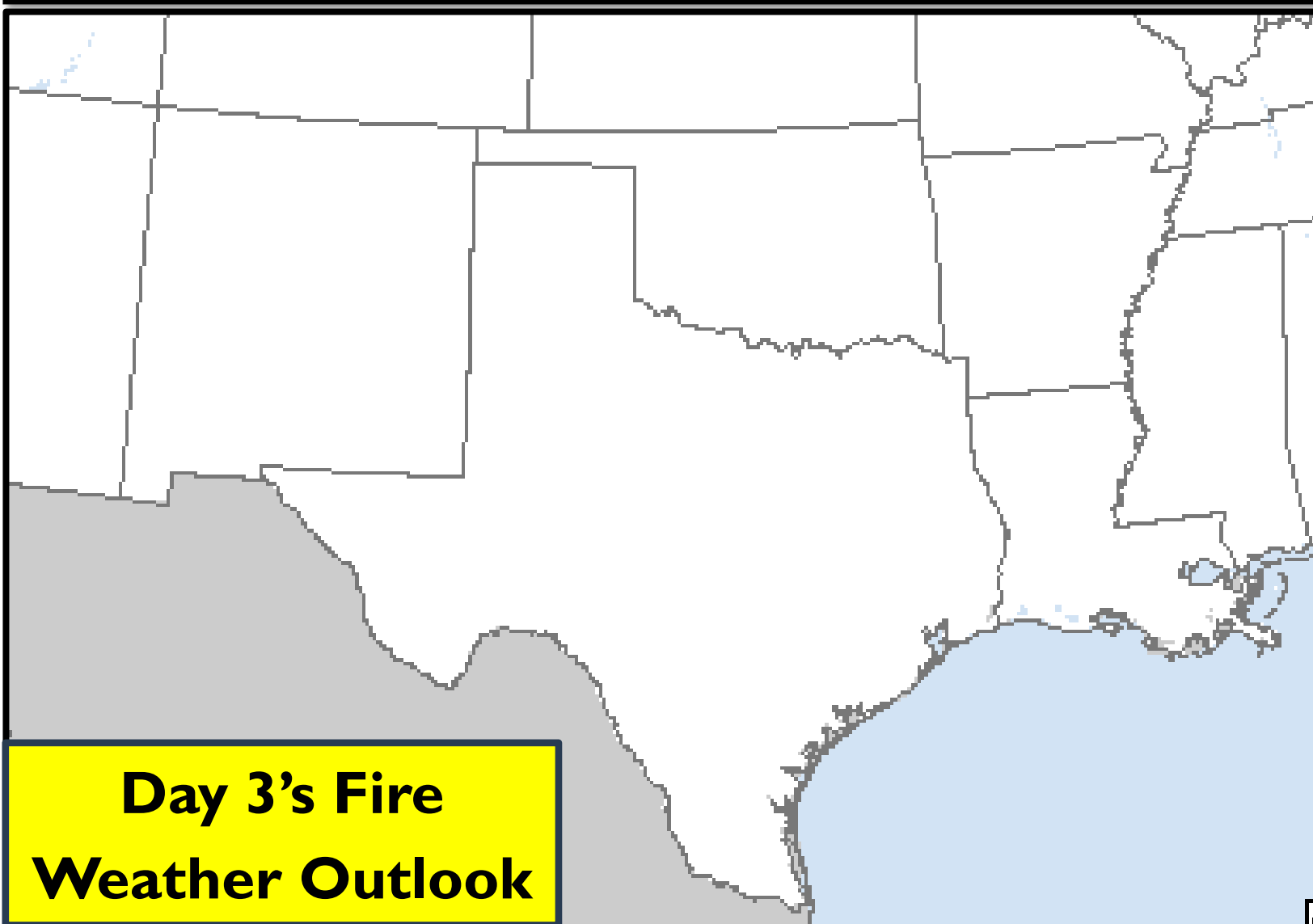
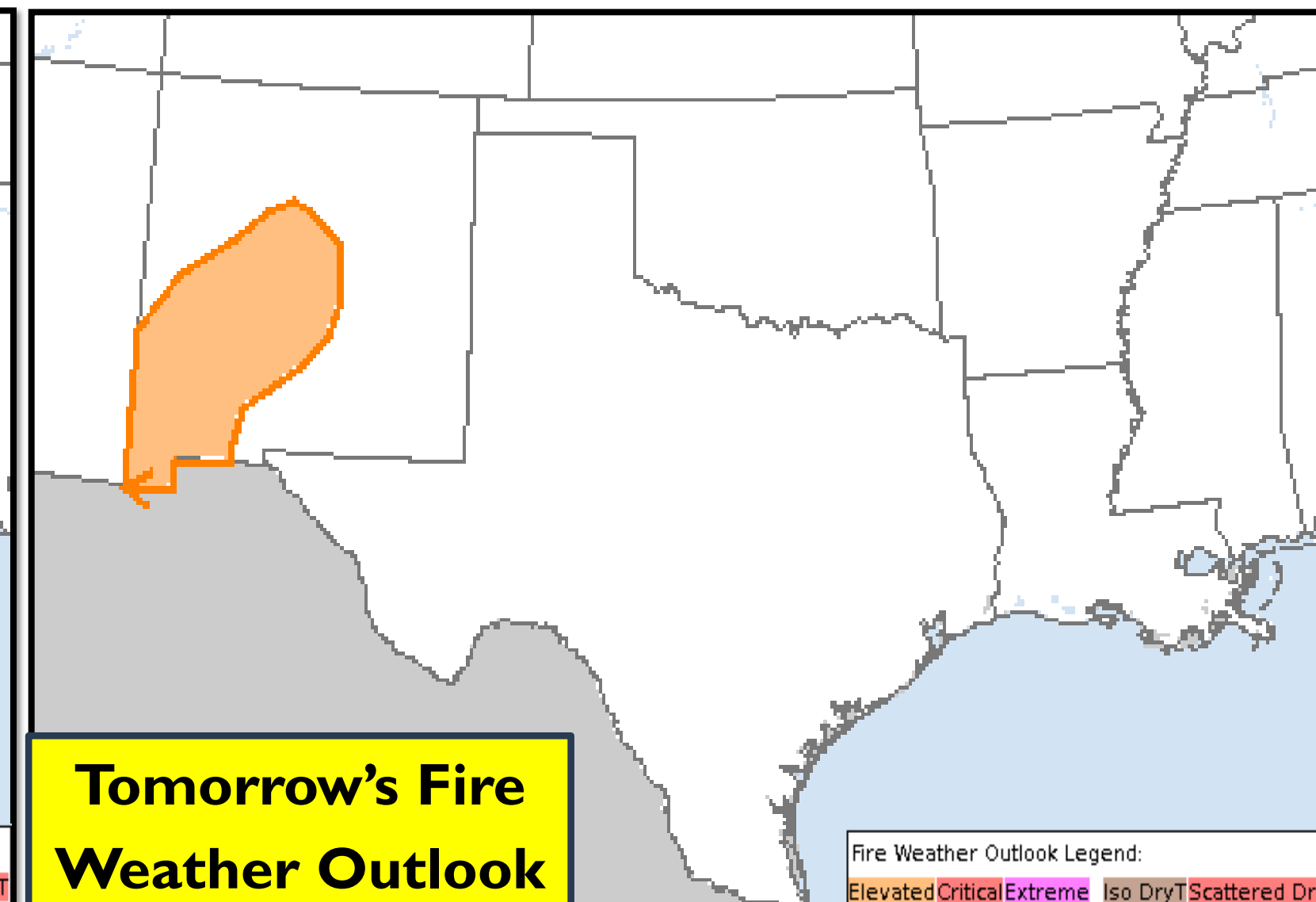
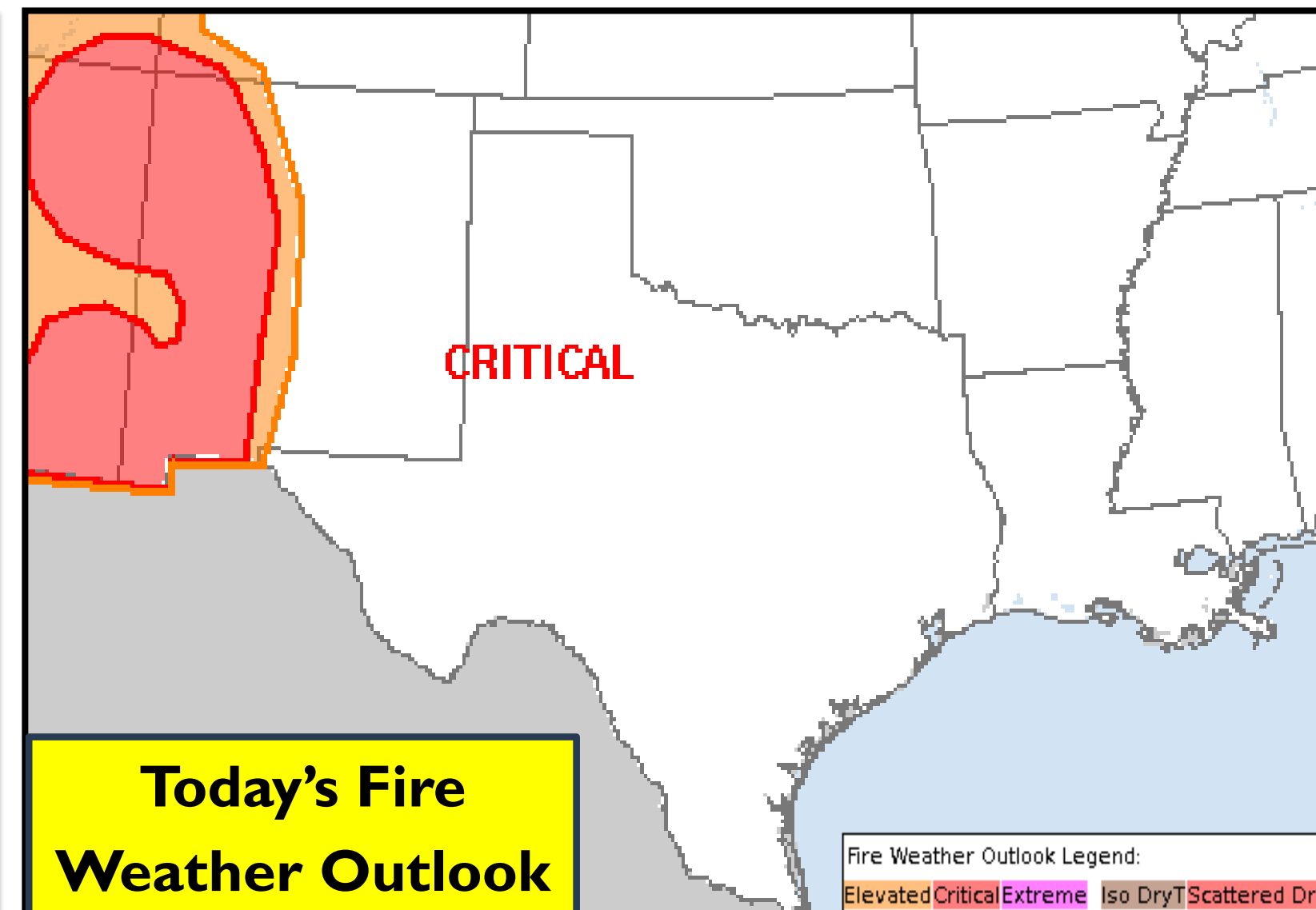
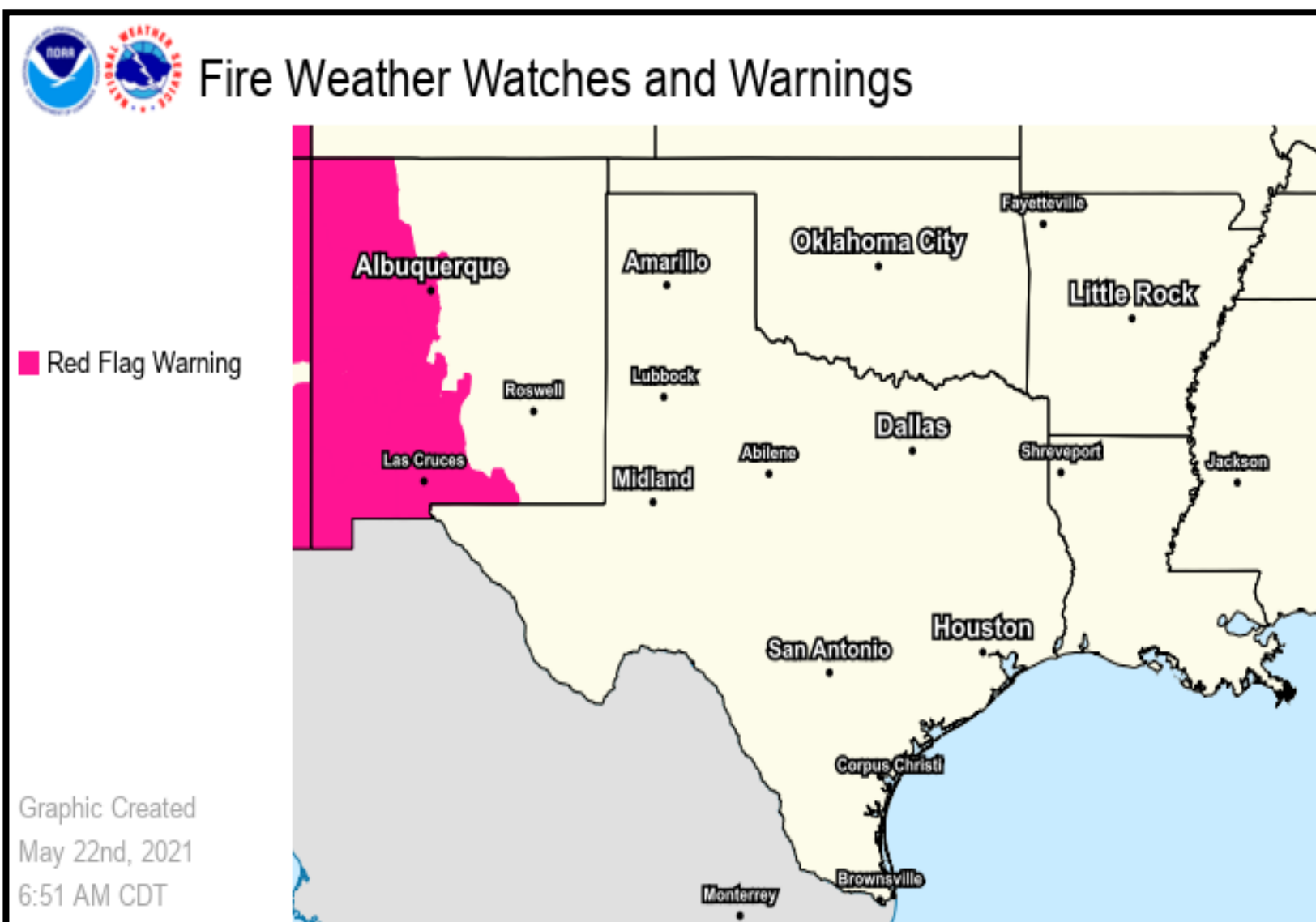




# Fire Weather Outlooks



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5/22/2021 | 7:56 AM

**Note: Days 3-5 only highlight Critical areas**

[www.weather.gov/srh](http://www.weather.gov/srh)

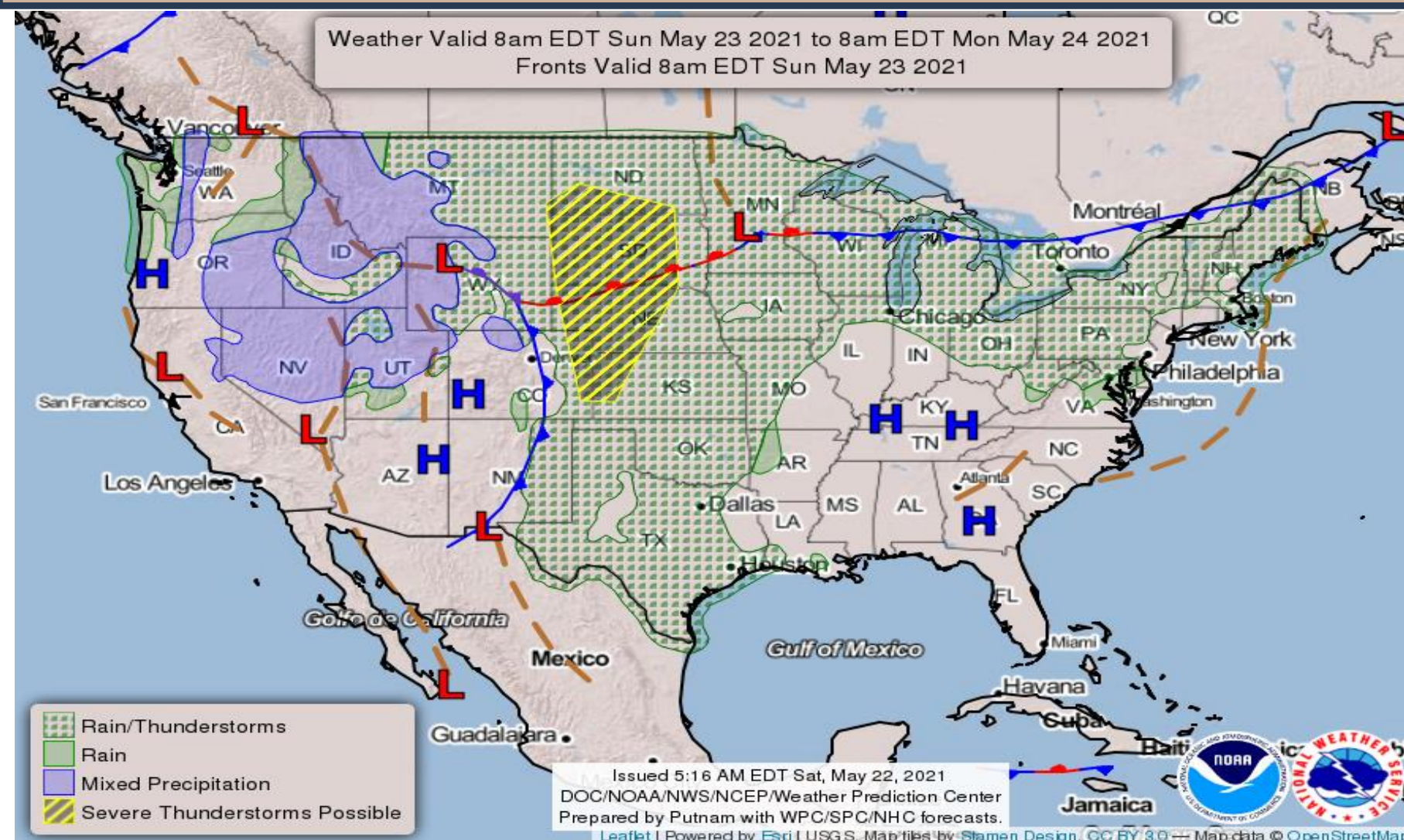


# Tomorrow's Weather

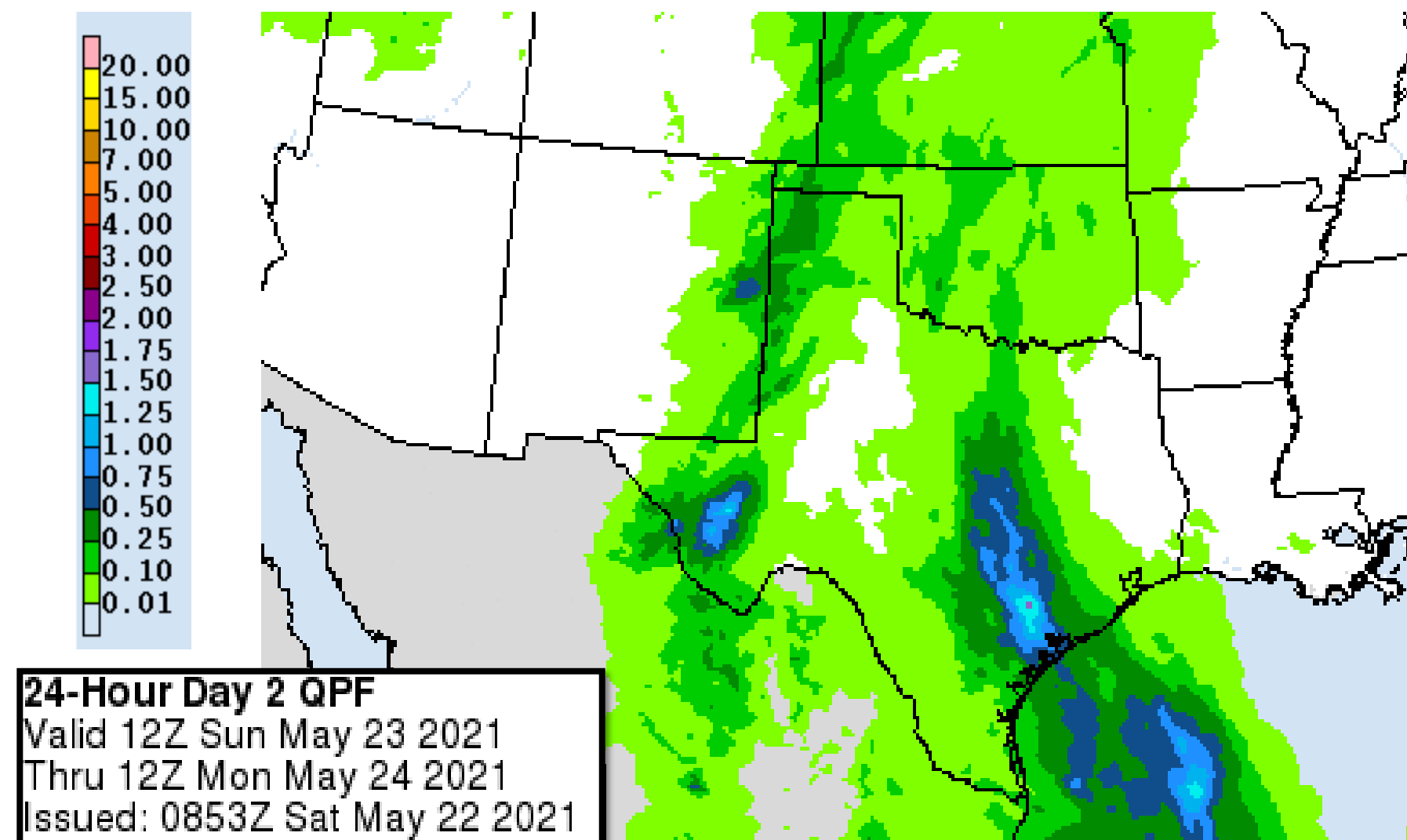


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## Forecast Chart



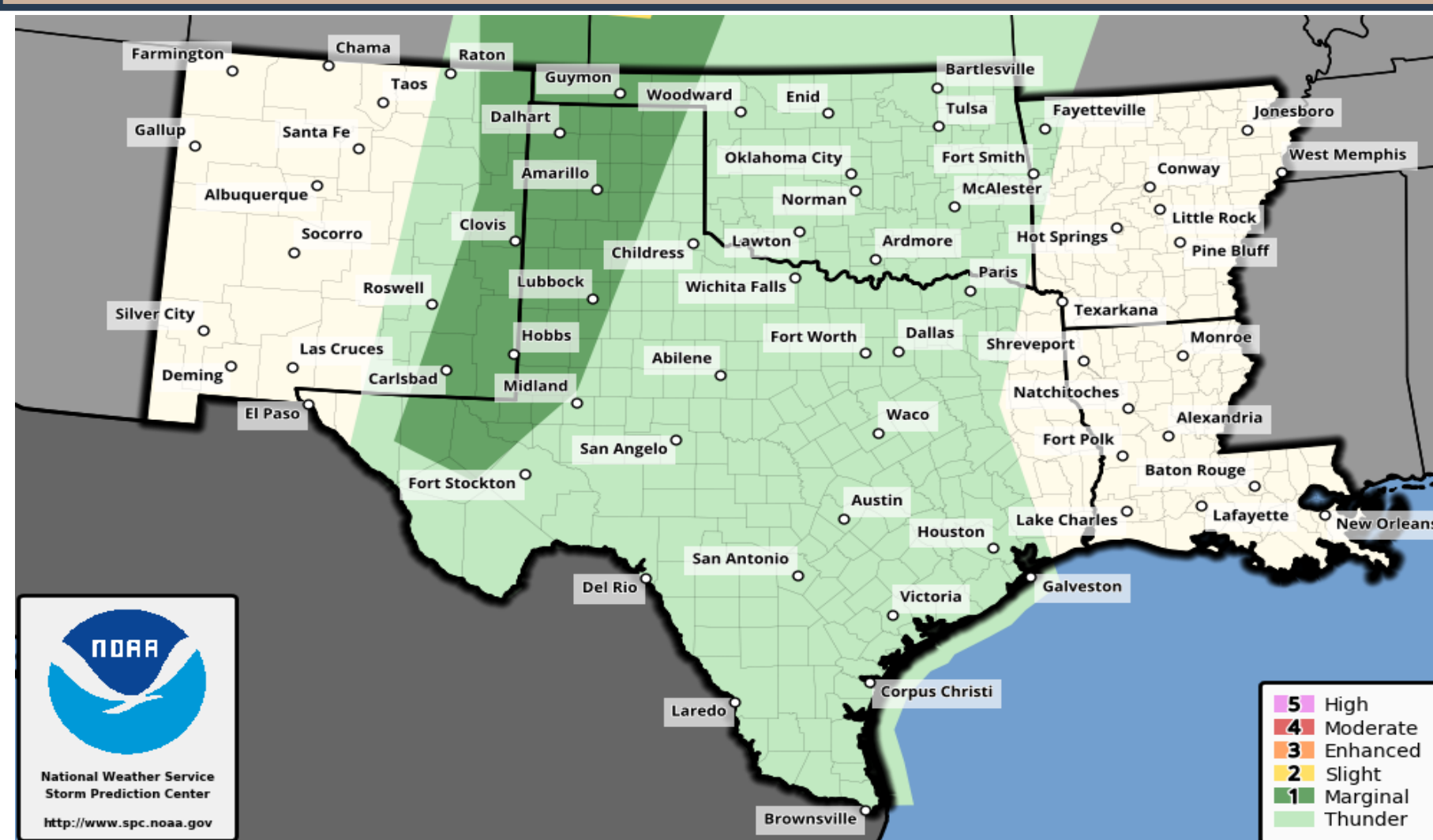
## Forecast Rainfall



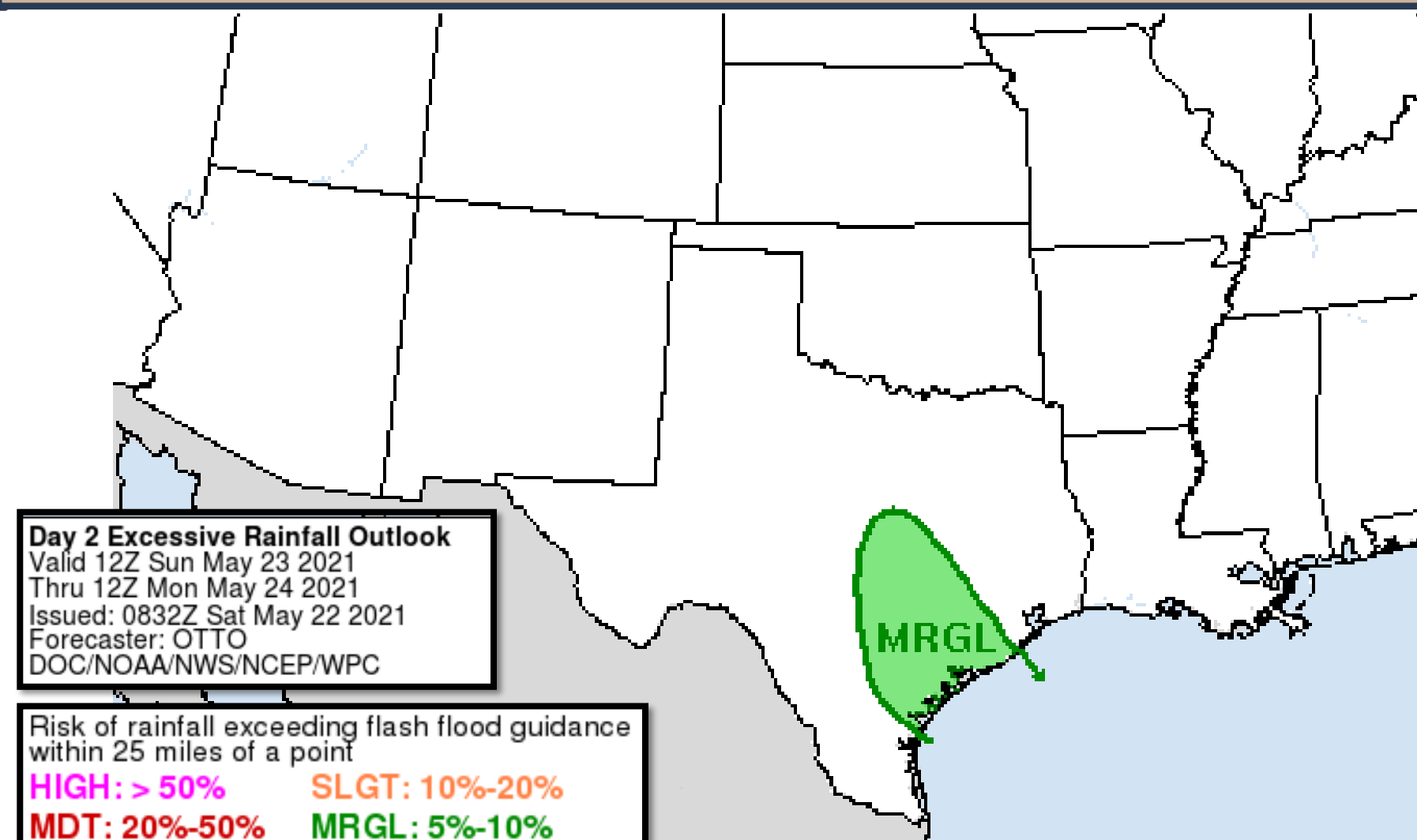
Isolated severe thunderstorms with hail and damaging wind across E NM/WTX and the TX/OK Panhandles.

Isolated heavy rainfall and flash flooding possible from Central into SE TX.

## Severe Weather Outlook



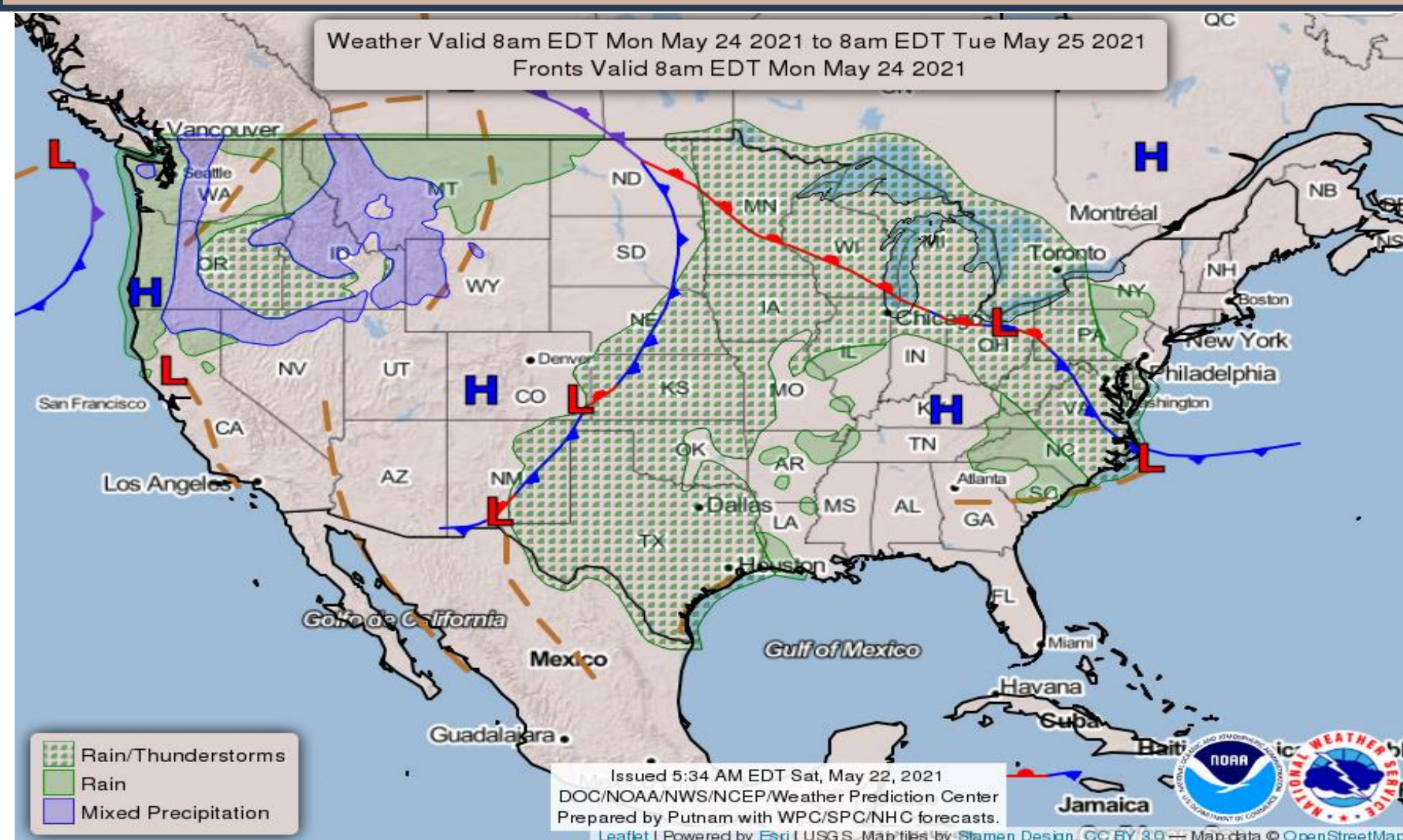
## Excessive Rainfall Outlook



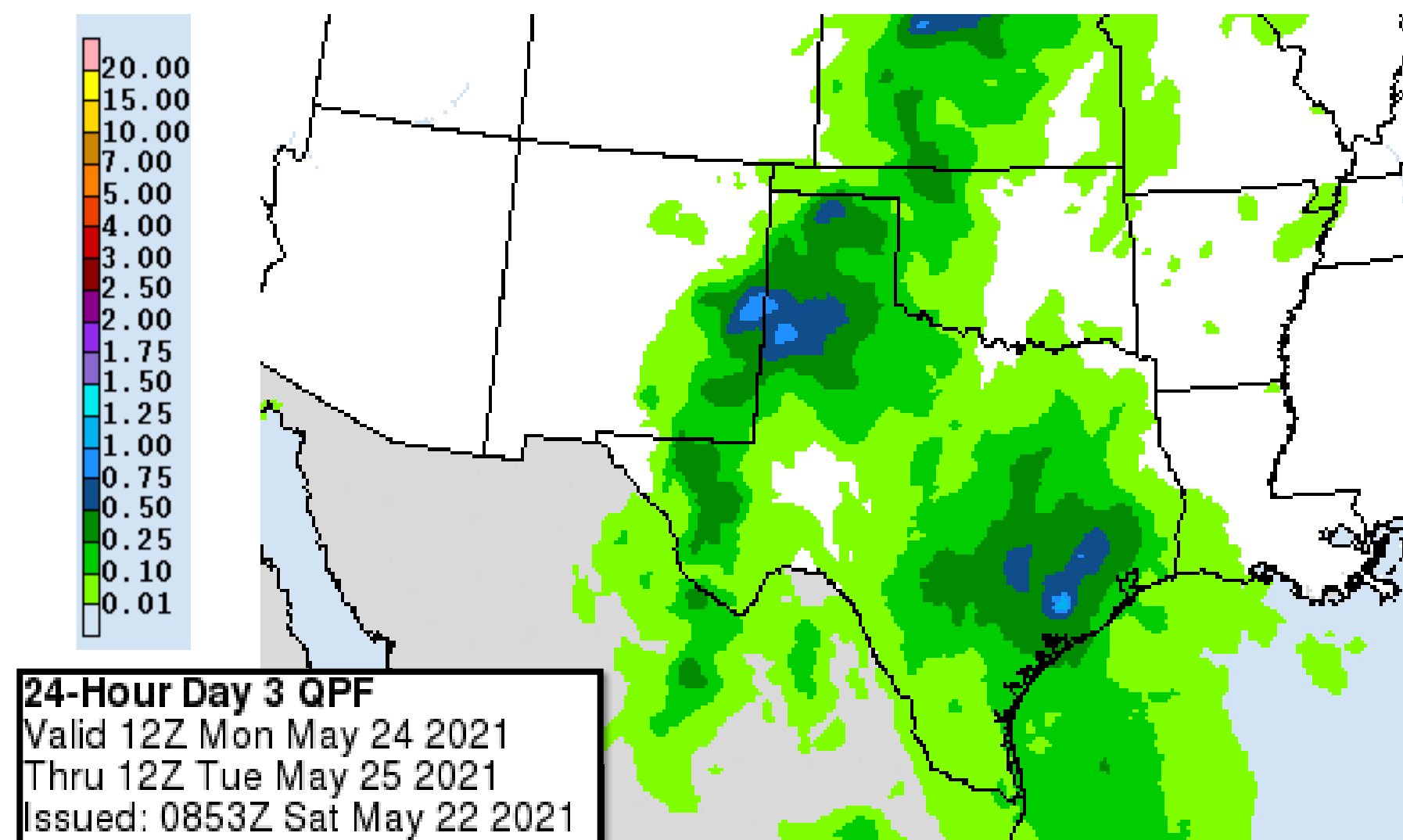


# Monday's Weather

## Forecast Chart

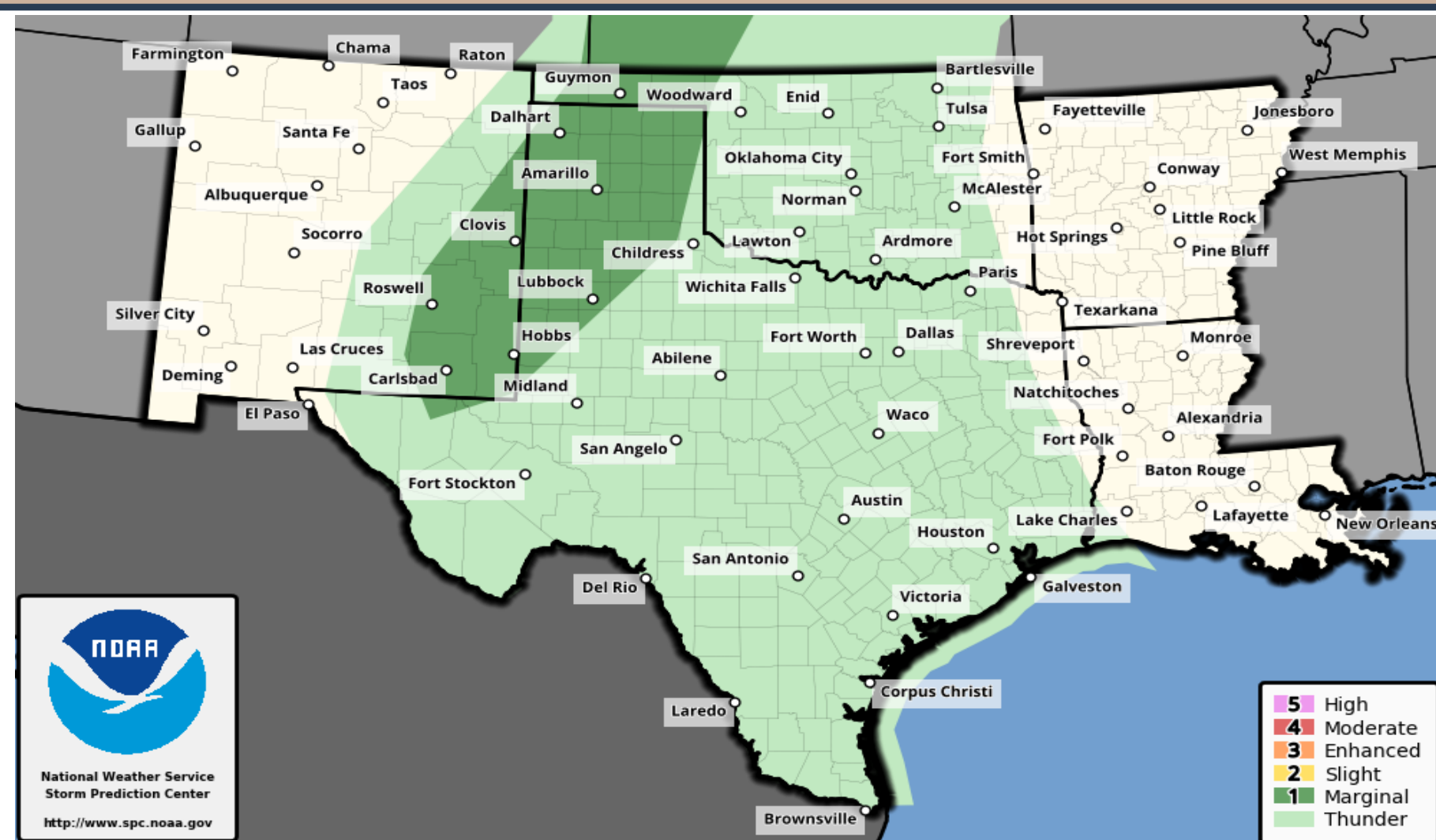


## Forecast Rainfall

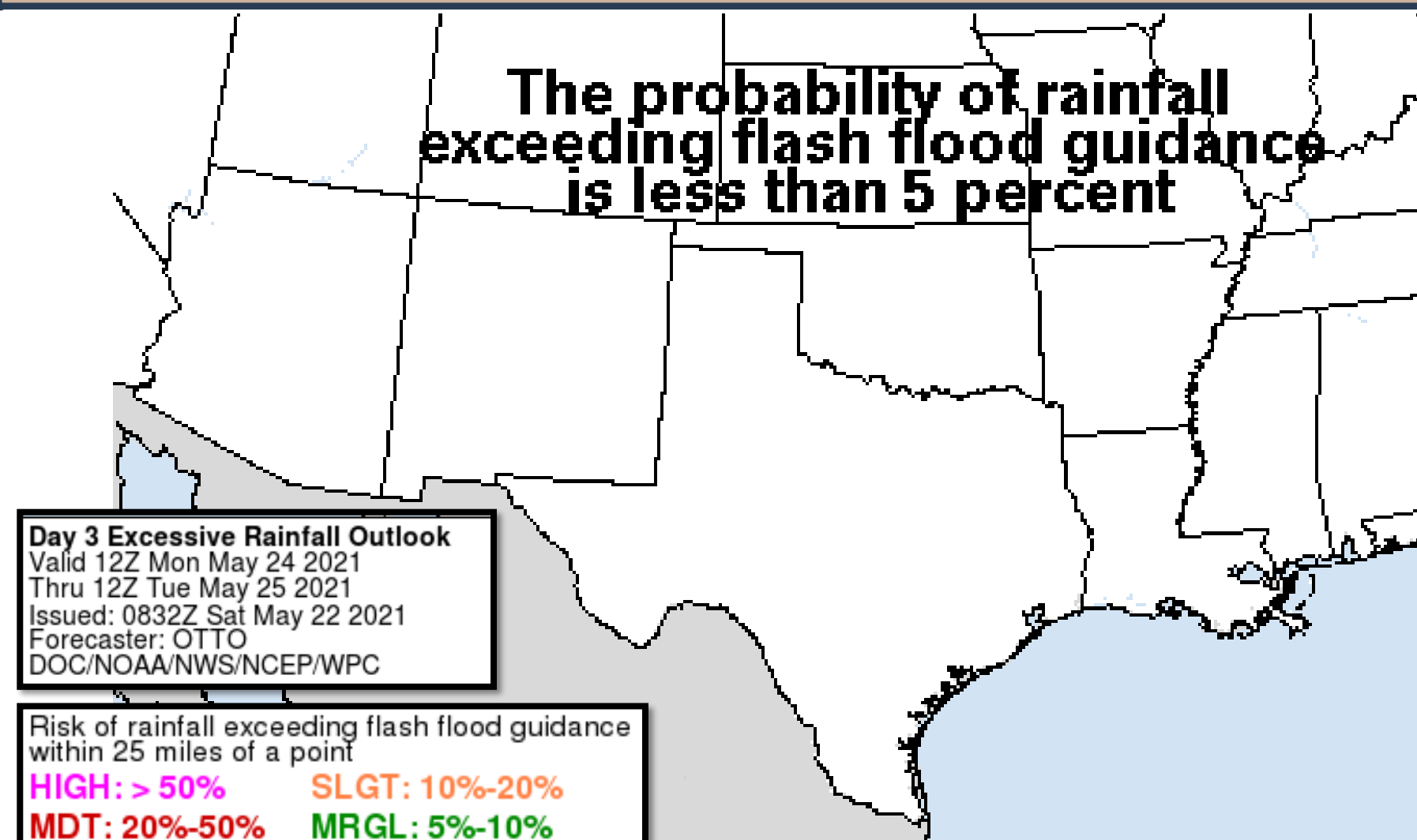


**Isolated severe thunderstorms  
with hail and damaging wind  
across E NM/W TX and the  
TX/OK Panhandles.**

## Severe Weather Outlook



## Excessive Rainfall Outlook



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# Days 4-5 Weather Hazards

Tuesday - Wednesday



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No significant weather impacts expected.

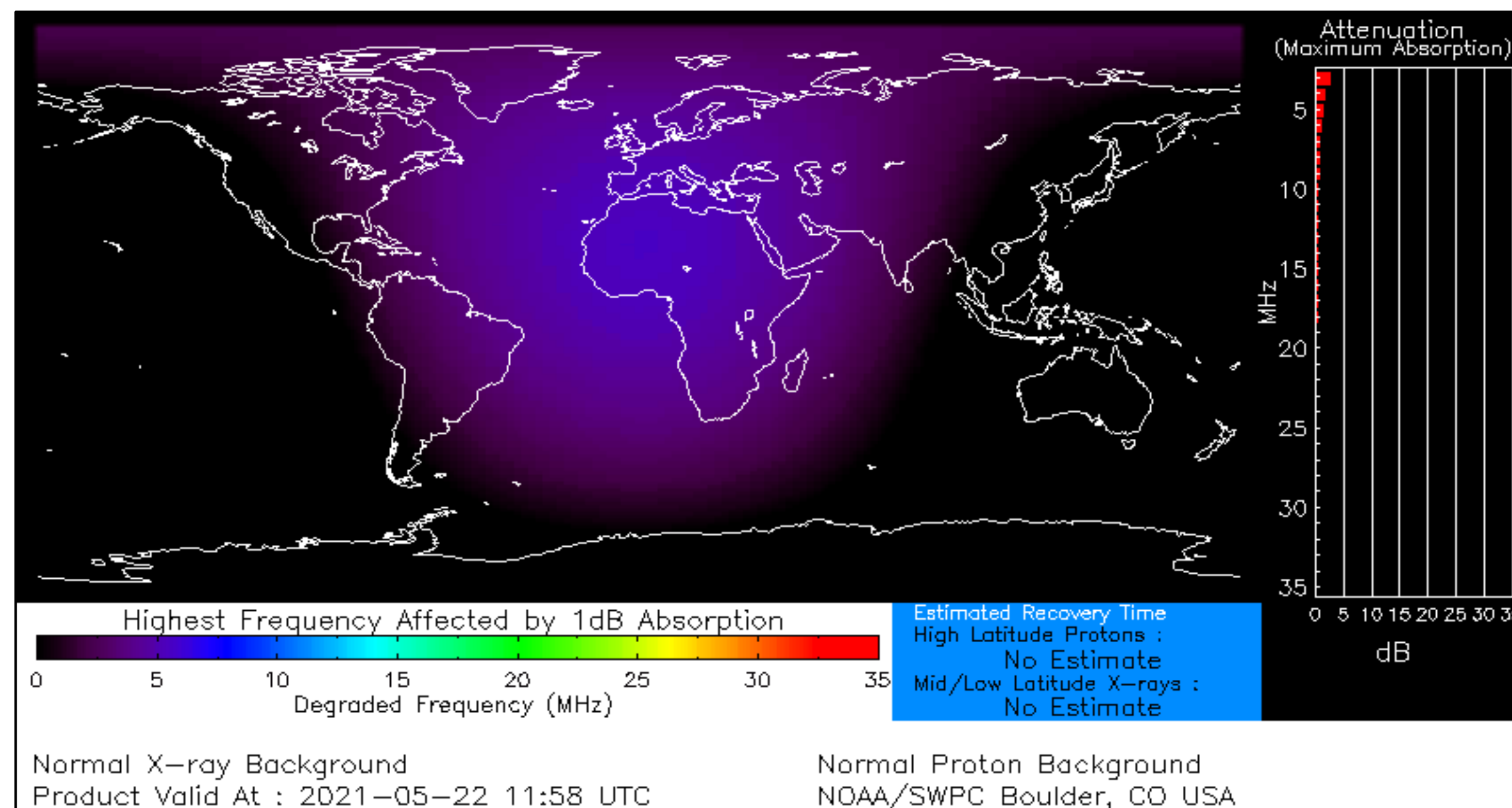


# Space Weather 3-Day Forecast



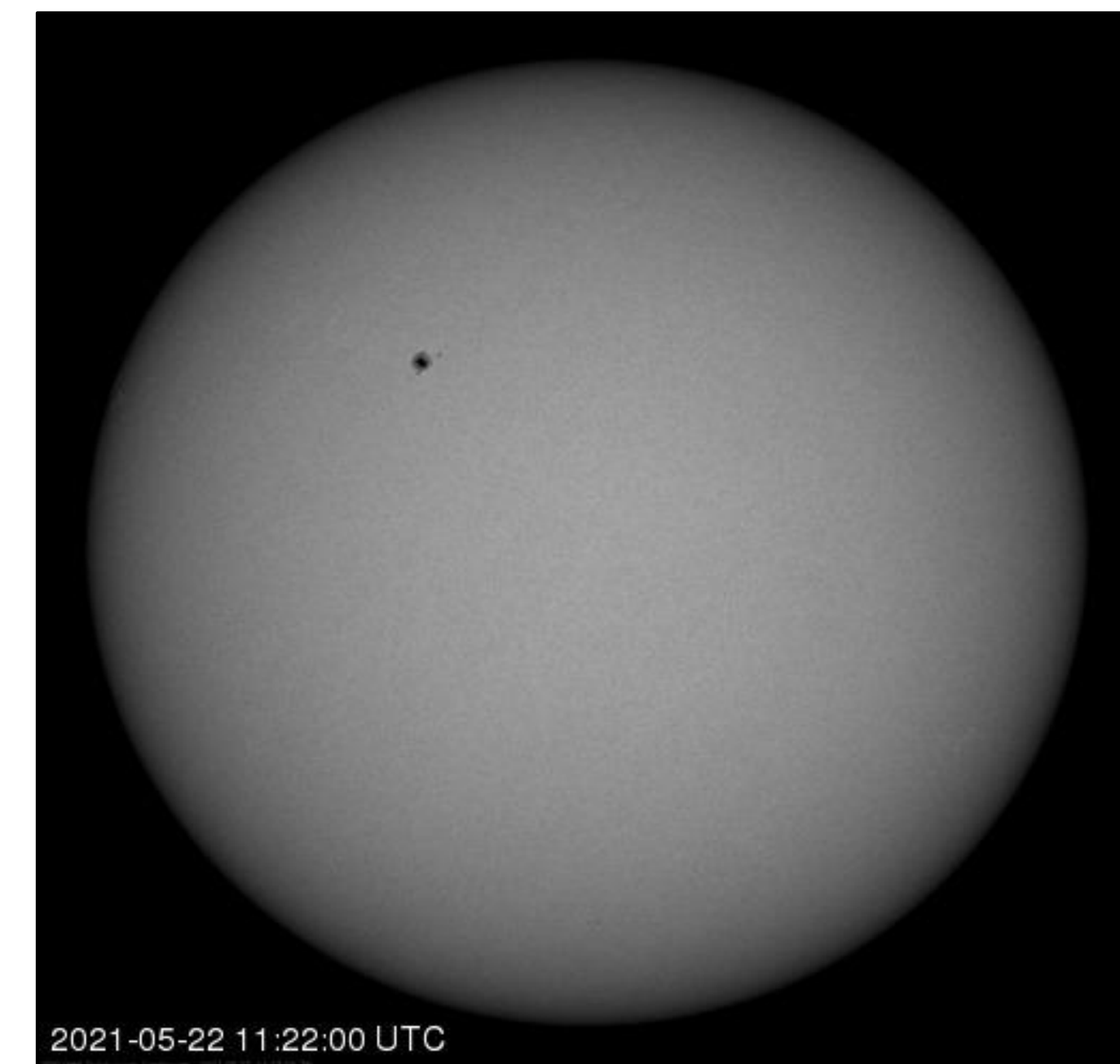
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	Saturday	Sunday	Monday
<b>Geomagnetic Storms</b>	<b>Unsettled (Max Kp = 2)</b>	<b>Quiet (Max Kp = 2)</b>	<b>Quiet (Max Kp = 2)</b>
<b>Solar Radiation Storm (S1-S5)</b>	1%	1%	1%
<b>Radio Blackout (R1-R2)</b>	1%	1%	1%
<b>Radio Blackout (R3-R5)</b>	1%	1%	1%



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)







**For more information, please contact:**

**National Weather Service**  
**Southern Region Headquarters**  
**Regional Operations Center**  
**Fort Worth, TX**

**Phone: (682) 703-3747**

**E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)**

**Web: <http://www.weather.gov/srh>**





Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail</li> </ul>
Orange	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>

**Criteria for the color codes in this briefing is to the left, please provide any feedback to**

**[sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)**